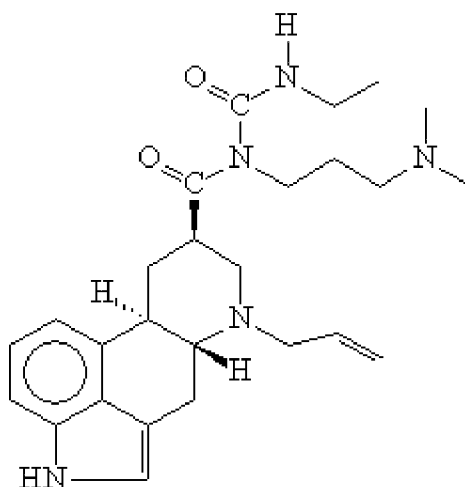


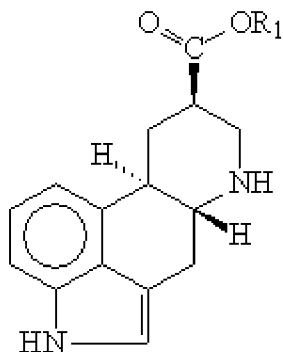
CLAIM AMENDMENTS

- 1 1. (currently amended) A process for preparing
2 cabergoline (I)



cabergoline (I)

- 4 comprising the following steps:
5 a) reacting the compound of formula (XIII)



6

7 wherein R_1 is a C_{1-4} alkyl group, in the presence of a
8 catalyst

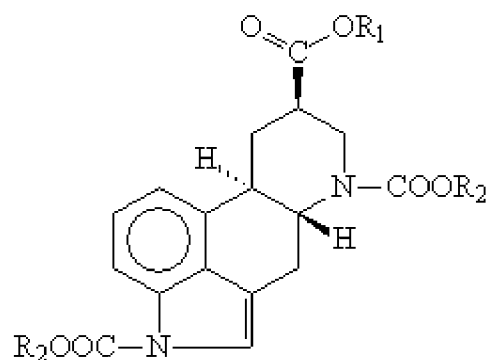
9 i) with a compound of formula (XIV), $X-COOR_2$ (XIV)

10 wherein R_2 is an optionally substituted straight or
11 branched C_{1-6} alkyl group,

12 X represents a bromine or chlorine atom, or

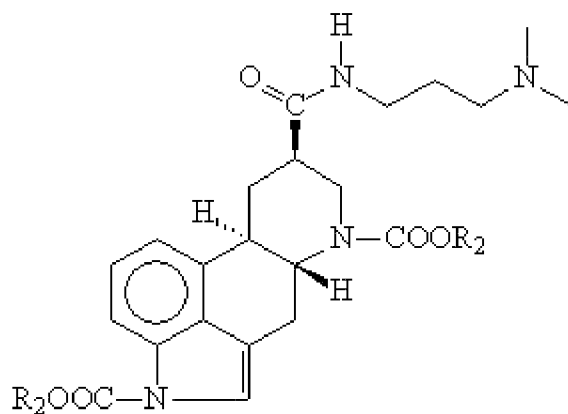
13 (ii) with a compound of formula (XV), $O(COOR_2)_2$ (XV)
14 wherein R_2 is a group as defined above for formula (XIV);

15 b) reacting the obtained carbamate derivative of formula
16 (XVI)



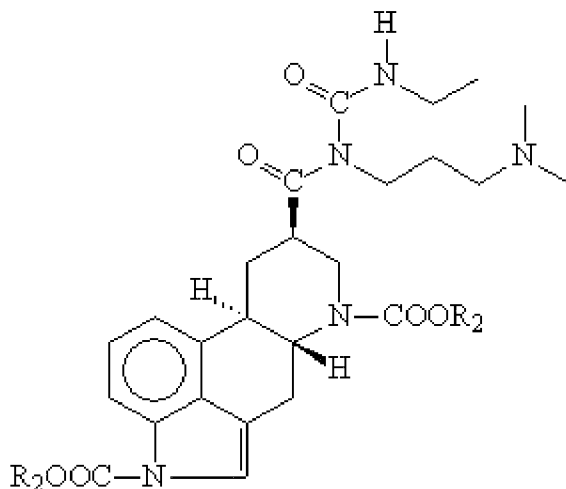
17

18 wherein R_1 and R_2 is a group as defined above, with 3-
 19 (dimethylamino) propylamine in the presence of a catalyst;
 20 c) reacting the obtained ergoline-8 β -carboxamide
 21 derivative of formula (XVII)

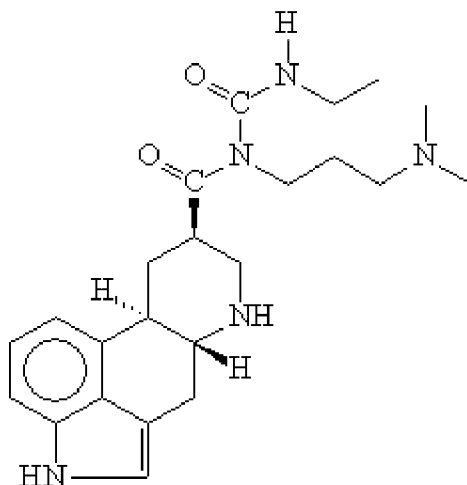


22

wherein R_2 is a group as defined above, with ethyl isocyanate in the presence of ligand(s) and Ib and IIb metal group salt catalyst;
d) reacting the obtained protected N-acylurea derivative of formula (XVIII)



wherein R_2 is a group as defined above, with a strong aqueous inorganic acid; and
e) reacting the obtained secondary amine of formula (XIX)



31

32 with an ~~electrophyl~~ electrophilic allyl alcohol derivative in the
33 presence of a palladium or nickel containing catalyst and
34 optionally in the presence of ligand(s) to form cabergoline (I).

1 2. (previously presented) A process according to claim 1
2 wherein R_1 is methyl and R_2 is *tert*-butyl.

1 3. (previously presented) A process according to claim 1
2 wherein step (a) is carried out at a temperature of from 0°C to 50°C
3 in the presence of 4-dimethylaminopyridine catalyst in a
4 hydrocarbon halide solvent.

1 4. (previously presented) A process according to claim 1
2 wherein step (b) is carried out at a temperature of from 50°C to
3 70°C in an C₁₋₆ alkyl alcohol solvent in the presence of 2-
4 hydroxypyridine catalyst.

1 5. (previously presented) A process according to claim 1
2 wherein step c) is carried out in hydrocarbon halide solvent, in
3 the presence of copper(I) chloride and/or copper(II) chloride
4 and/or copper(I) bromide and/or copper(I) iodide catalysts and
5 triphenylphosphine or tri-*p*-tolylphosphine ligand at a temperature
6 of from 30°C to 50°C.

1 6. (previously presented) A process according to claim 1
2 wherein step (d) is carried out at a temperature of from 40°C to
3 80°C in aqueous hydrochloric acid.

1 7. (currently amended) A process according to claim 1
2 wherein at step (e) the ~~electrophyl~~ electrophilic allyl alcohol
3 ~~derivative~~ is allyl acetate, the catalyst is tetrakis (triphenyl-
4 phosphine) palladium(0), and the reaction is carried out in an
5 aromatic hydrocarbon solvent at a temperature of from 20°C to 50°C.

Claims 8 through 17 (canceled)

1 18. (new) A process according to claim 1 which further
2 comprises the following steps:

3 (f) chromatographically purifying the Cabergoline of the
4 Formula (I) to obtain Cabergoline as an oily solid product;

5 (g) dissolving the Cabergoline obtained as an oily solid
6 product in an organic solvent; and

7 (h) partially removing the organic solvent from the
8 Cabergoline in several steps under vacuum at a temperature of from
9 0°C to 30°C, to obtain a non-oily solid Cabergoline product.

1 19. (new) A process according to claim 18 wherein the
2 organic solvent employed during step (g) is acetone, methyl acetate
3 or dichloromethane.